

## Abstract

A method for the transmission and synchronization of multimedia data through networks of computers. This method provides the technology for a continuous transmission and synchronization of multimedia data to servers and clients computers through a network of different types of nets which might include LAN, WAN as well as Internet with its different types of connections such as ISDN, cable T1 and Dial Up connections (modems). Synchronization scripts include markers for the synchronization of the videos with notes which can be text or graphics in html format. In the video production module the connection types for the transference are calculated, compression is performed, markers and the respective synchronization scripts for the transference are generated. The videos and their corresponding scripts are stored in the web server to be transmitted upon request of the client computers. In the video compression it is possible to have adaptable support for several types of connections (from DialUp to T1-T3), resolutions (from 176x144 to 640x480), and frame rates (from 1 to 30 fps).